

Electrical Interface box/AC-Power Module

The Electrical Interface Box



- provides a convenient method to interconnect the special flexible cable of INTRA with the power- and serial lines that go to/from the user's site.
- includes "coarse lightening protection" circuits to protect INTRAs power inputs and serial interface.
- provides 9-pin AT-compatible connector - accessible inside the interface box. Using this "break-out" connector you may communicate on site with INTRA. A switch allows to change between link to host or local connector.

The **AC-Power Module** (larger case) adds more features:

- It includes a power transformer and AC/DC-circuits to supply INTRA with DC power.
- The transformer provides sufficient power to supply INTRAs heater option (AC).

Electrical Interface Box technical data

case:	aluminum box, all weather resistant (IP65) 160 x 160 x 90 mm, painted gray. Inside the box there are 4 mounting-holes Ø6.3 mm (grid 110 x 140 mm). The box has 3 all weather resistant feed through for the cables in and out of the box (for cables Ø 6 to 9 mm).
temperature	operating range:-46° C to 50° C
connections:	printed circuit board with "cage spring" terminals
fuse:	10AT for 24 VAC heater supply.
Part number:	TE01

AC-Power Module technical data

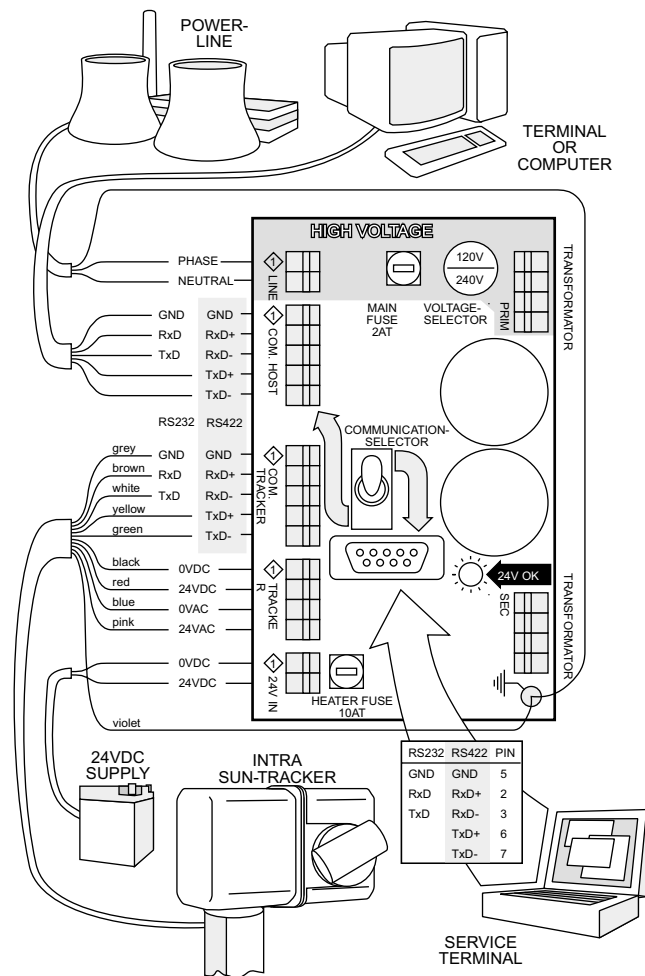
Specifications are the same as for the "Electrical Interface Box" with the following changes:

- case: aluminum box, all weather resistant (IP65) 360 x 160 x 90 mm, painted gray. Inside the box there are 4 mounting-holes Ø6.3 mm (grid 110 x 340 mm). The box has 3 all weather resistant feed through for the cables in and out of the box.
- transformer: 200 VA, 100-120 VAC or 220-240VAC input switch selectable. Insulation rating primary to secondary: 4000 V max.
- fuse: for mains, 2AT.
- AC/DC input from transformer, output 24 VDC (nom.) unregulated, 200 W max.
- AC/AC AC-output 24 VAC for operation of the heater option of INTRA.
- Part number: TE02

Note: The mechanical interface TA03 allows to attach the boxes TE01 or TE02 to the pod TA02-2.

Disclaimer: We use a commercially available power transformer with a 4000 V rating for the insulation between primary and secondary windings. It is not in our responsibility to verify, that installation and use of the power module complies with the laws and /or safety regulations of the country of destination.

Wiring Options



The pc-board is **either** be AC-powered from the mains (transformer in TE02), or DC-powered (TE01) using an external 24 VDC power-supply.